



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

In re application of

RICHARD W. ARNOLD ET AL.

09/845 344

Serial No. 09/431,730 (TI-27698.1)

Filed May 1, 2001

For: STUD-CONE BUMP FOR PROBE TIPS
USED IN KNOWN GOOD DIE CARRIERS

Art Unit 2829

Examiner Asok. K. Sarkar

Customer No. 23494

Mail Stop Appeal Brief-Patents
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 CFR 1.8

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10-4-04
Jay M. Cantor, Reg. No. 19,906

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BRIEF ON APPEAL

REAL PARTY IN INTEREST

The real party in interest is Texas Instruments Incorporated, a Delaware corporation with offices at 7839 Churchill Way, Dallas, Texas 75251.

RELATED APPEALS AND INTERFERENCES

There are no known related appeals and/or interferences.

STATUS OF CLAIMS

This is an appeal of claims 13 to 20, all of the rejected claims. No claims have been allowed and the parent application is now Patent No. 6,376,352. Please charge any costs to Deposit Account No. 20-0668.

ISSUE 2

Claims 17 to 20 were rejected under 35 U.S.C. 103(a) as being unpatentable over Galloway in view of Lytle (U.S. 5,674,780). The rejection is without merit.

Claims 17 to 20 depend from claim 13 and therefore define patentably over the applied references for at least the reasons presented above with reference to claim 13 since Lytle fails to overcome the above-listed deficiencies of Galloway.

In addition, claims 17 and 18 further limit claims 15 and 16 by requiring that the compliant material be filled with a material having sufficient hardness to be capable of penetrating the oxide film on the contact pads of semiconductor devices. No such feature is taught or suggested by Galloway, Lytle or any proper combination of these references either alone or in the combination as claimed.

Claims 19 and 20 further limit claims 17 and 18 by requiring that the material be silver or silver-based flakes. No such feature is taught or suggested by Galloway, Lytle or any proper combination of these references either alone or in the combination as claimed.

CONCLUSIONS

For the reasons stated above, reversal of the final rejection and allowance of the claims on appeal is requested that justice be done in the premises.

Respectfully submitted,



Jay M. Cantor
Reg. No. 19906
(301) 424-0355

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF APPEAL FROM THE PRIMARY EXAMINER
TO THE BOARD OF PATENT APPEALS AND INTERFERENCES**

*Fee
Sheet
only*

In re application of:

RICHARD W. ARNOLD ET AL.

09/845344
Serial No.: ~~09/431,730~~ (TI-27698.1)

Filed: May 1, 2001

For: STUD-CONE BUMP FOR PROBE TIPS USED IN KNOWN GOOD DIE CARRIERS

Group Art Unit: 2829

Examiner Asok K. Sarkar

Customer No. 23494

Mail Stop AF

Commissioner for Patents

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9-30-2004
[Signature]

Sir:

Applicant hereby appeals to the Board of Appeals from the decision dated September 8, 2004 of the Primary Examiner finally rejecting claims 13 to 230, all of the appealed rejected claims.

The item(s) checked below are appropriate:

1. ☐ An extension of time to respond to the final rejection
☐ was granted on
☐ is requested for _____ month(s).
2. ☐ A timely response to the final rejection has been filed, as provided in 841 O.G. 1411.
3. ☒ Fee \$330.00:
☐ Not required (*Fee paid in prior appeal*)
☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Account No. 20-0668. A duplicate copy of this sheet is enclosed.

Signature [Rule 191(b)]

Post Office Address

(to which correspondence is to be sent)

[Signature]
Jay M. Cantor, Reg. No. 19906
Texas Instruments Incorporated
P. O. Box 655474, M/S 3999
Dallas, TX 75265
(301) 424-0355

On the date stamped here, the following paper was received in the Patent and Trademark Office in the below listed application:

Notice of Appeal

Inventor(s): RICHARD W. ARNOLD ET AL.

Serial No.09/431,730

Filed May 1, 2001

For: STUD-CONE BUMP FOR PROBE TIPS...

Docket Number: TI-27698.1

